

KCIN:071

PATENT COOPERATION TREATY

PCT

C149

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 7175-69374	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 01/44194	International filing date (day/month/year) 27/11/2001	(Earliest) Priority Date (day/month/year) 29/11/2000
Applicant HILL-ROM SERVICES, INC.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

2. ☐ Certain claims were found unsearchable (See Box I).

3. ☐ Unity of invention is lacking (see Box II).

4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the abstract,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

- 6. The figure of the drawings to be published with the abstract is Figure No.**

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

17

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/US 01/44194

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 A61M27/00 A61M1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61M A61F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
✓ X	WO 00 42958 A (3M INNOVATIVE PROPERTIES CO) 27 July 2000 (2000-07-27) page 16, paragraph 2; figure 6J page 20, line 8 - line 10; figure 7A	1-8,12, 25-39
✓ X	US 5 549 584 A (GROSS JAMES R) 27 August 1996 (1996-08-27) column 5, line 16 - line 31 column 7, line 27 - line 37; figure 4	1-8,12, 25-39
A		15,24
✓ X	US 5 636 643 A (ARGENTA LOUIS C ET AL) 10 June 1997 (1997-06-10) cited in the application column 10, line 5 - line 7 column 6, line 7 column 5, line 44 figures 2,10,11	1-4,6,7, 25-39

-/-

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"Z" document member of the same patent family

Date of the actual completion of the international search

Date of mailing of the international search report

2 December 2002

09/12/2002

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Lakkis, A

INTERNATIONAL SEARCH REPORT

International Publication No
PCT/US 01/44194

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
✓ X	US 4 969 880 A (ZAMIEROWSKI DAVID S) 13 November 1990 (1990-11-13) cited in the application column 8, line 3 - line 6; figure 10 -----	1-4,6,7, 25-39
✓ A	WO 00 07653 A (HENLEY ALAN WAYNE ;MOSES LEIGH MARIE (US); SANDERSON RONALD LESLIE) 17 February 2000 (2000-02-17) cited in the application page 14, line 5 - line 23 page 15, line 28 - line 32 figures 1,3,4 -----	1,25,36, 40
✓ X	EP 0 880 953 A (FLEISCHMANN WILHELM DR MED) 2 December 1998 (1998-12-02) column 5, line 22 - line 26 column 5, line 50 -column 6, line 8 figures 1,2 -----	40
A	GB 2 333 965 A (KCI MEDICAL LTD) 11 August 1999 (1999-08-11) page 6, line 27 -page 7, line 3 -----	5
P,X	WO 01 37922 A (HENLEY ALAN WAYNE ;PETROSENKO ROBERT (US); SANDERSON RONALD LESLIE) 31 May 2001 (2001-05-31) cited in the application page 15, paragraph 2; figure 9 -----	1-4,6,7, 25-39

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No.

PCT/US 01/44194

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0042958	A	27-07-2000	US 6420622 B1	16-07-2002
			AU 4190599 A	07-08-2000
			EP 1146838 A1	24-10-2001
			JP 2002535039 T	22-10-2002
			US 2002082540 A1	27-06-2002
			WO 0042958 A1	27-07-2000
			US 2002128578 A1	12-09-2002
<hr/>				
US 5549584	A	27-08-1996	NONE	
<hr/>				
US 5636643	A	10-06-1997	US 5645081 A	08-07-1997
			AT 196235 T	15-09-2000
			AU 696031 B2	27-08-1998
			AU 6360894 A	26-09-1994
			CA 2157772 A1	15-09-1994
			DE 69425881 D1	19-10-2000
			DE 69425881 T2	22-03-2001
			DK 688189 T3	27-12-2000
			EP 0688189 A1	27-12-1995
			ES 2151925 T3	16-01-2001
			GR 3034817 T3	28-02-2001
			JP 9503923 T	22-04-1997
			PT 688189 T	28-02-2001
			WO 9420041 A1	15-09-1994
			US 2001029956 A1	18-10-2001
			AT 164055 T	15-04-1998
			AU 674837 B2	16-01-1997
			AU 3130393 A	15-06-1993
			CA 2121688 A1	27-05-1993
			DE 9219136 U1	18-06-1998
			DE 69224847 D1	23-04-1998
			DE 69224847 T2	20-08-1998
			DK 620720 T3	28-09-1998
			EP 0620720 A1	26-10-1994
			ES 2114956 T3	16-06-1998
			JP 7501958 T	02-03-1995
			WO 9309727 A1	27-05-1993
<hr/>				
US 4969880	A	13-11-1990	AT 146980 T	15-01-1997
			AU 654468 B2	10-11-1994
			AU 5521890 A	05-11-1990
			CA 2049948 A1	04-10-1990
			DE 69029578 D1	13-02-1997
			DE 69029578 T2	05-06-1997
			EP 0465601 A1	15-01-1992
			JP 4506011 T	22-10-1992
			JP 3152398 B2	03-04-2001
			WO 9011795 A1	18-10-1990
			US 5527293 A	18-06-1996
			US 5100396 A	31-03-1992
			US 5261893 A	16-11-1993
<hr/>				
WO 0007653	A	17-02-2000	AU 5255599 A	28-02-2000
			CA 2338443 A1	17-02-2000
			EP 1100574 A1	23-05-2001
			HU 0103545 A2	28-02-2002
			JP 2002524109 T	06-08-2002
			NO 20010485 A	29-01-2001

INTERNAT. L. SEARCH REPORT

Information on patent family members

International Application No.
PCT/US 01/44194

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 0007653	A	WO 0007653 A1	17-02-2000
		US 6458109 B1	01-10-2002
EP 0880953	A 02-12-1998	DE 19722075 C1	01-10-1998
		DE 29715634 U1	06-11-1997
		EP 0880953 A2	02-12-1998
		US 2002068913 A1	06-06-2002
		US 6398767 B1	04-06-2002
GB 2333965	A 11-08-1999	AU 745271 B2	14-03-2002
		AU 8993498 A	05-04-1999
		CA 2303085 A1	25-03-1999
		EP 1018967 A1	19-07-2000
		WO 9913793 A1	25-03-1999
		GB 2329127 A ,B	17-03-1999
		JP 2002507435 T	12-03-2002
		US 6216701 B1	17-04-2001
		US 6345623 B1	12-02-2002
		US 2002017304 A1	14-02-2002
WO 0137922	A 31-05-2001	AU 3271601 A	04-06-2001
		EP 1233808 A2	28-08-2002
		NO 20022526 A	28-05-2002
		WO 0137922 A2	31-05-2001
		US 2002161317 A1	31-10-2002